Ontario Ministry of Northern Development and Mines

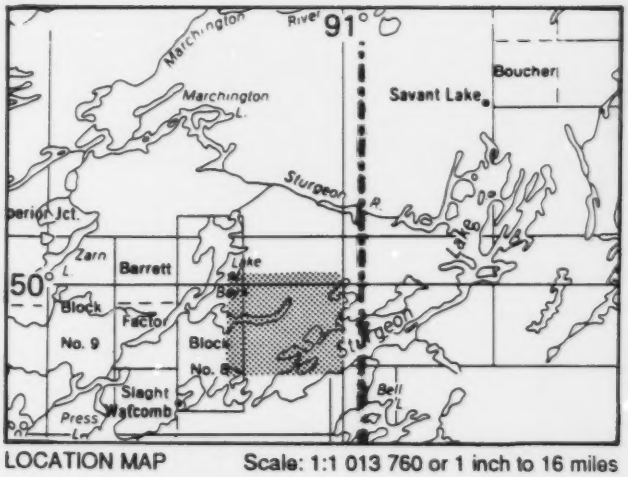
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 465

PENASSI LAKE AREA

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploration Minerals

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

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CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g t
1 g t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

For further information please contact:

Resident Geologist
Box 3000
Sioux Lookout, Ontario
P0V 2T0
(807) 737-2037

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept.. (A.R.)	Annual Report
A.R.I.P.	Aggregate Resources Inventory Paper
Bull.	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull	Geological Society of America Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
M.P.	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
O.G.S.	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
Sum. Rept.	Summary Report

DATA SOURCES CHECK LIST

NOTE. The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	AFRO	N/A
3	ODM General Index: 9 Volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Thesis - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	NO	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O.G.S.)	NO	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers ODM & OGS	YES	CJP
16	ODM Geological Circulars OGS Study Series	NO	CJP
17	ODM Preliminary Reports ODM Bulletins	NO	CJP
18	ODM - OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Drill Core Library Catalogue	YES	CJP
23	AERIAL PHOTOGRAPHS ON FILE	YES	CJP
24	UNPUBLISHED THESES	YES	CJP
25	TOPOGRAPHIC MAPS	YES	CJP

METALS AND MINERALS REFERENCES LIST

- △ anh ..... Anhydrite
- △ ank ..... Ankerite
- △ anna ..... Annabergite
- △ ap ..... Apatite
- △ arg ..... Argentite
- △ As ..... Arsenic
- △ asp ..... Arsenopyrite
- △ asb ..... Asbestos
- △ ba ..... Barite
- △ be ..... Beryl
- △ Bi ..... Bismuth
- △ bn ..... Bornite
- △ bran ..... Brannerite
- △ bruc ..... Brucite
- △ Cd ..... Cadmium
- △ calc ..... Calcite
- △ carb ..... Carbonate
- △ cel ..... Celestite
- △ cc ..... Chalcocite
- △ cp ..... Chalcopyrite
- △ ch ..... Chert
- △ clay ..... Clay
- △ Co ..... Cobalt
- △ cob ..... Cobaltite
- △ cb ..... Columbite
- ▲ Cu ..... Copper
- △ cor ..... Corundum
- △ dol ..... Dolomite
- △ ep ..... Epidote
- △ ery ..... Erythrite
- △ fel ..... Feldspar
- △ fl ..... Fluorite (flurospar)
- △ fu ..... Fuchsite
- △ gn ..... Galena
- △ gt ..... Garnet
- △ goe ..... Goethite
- ▲ Au ..... Gold
- △ gf ..... Graphite
- △ gl ..... Gravel
- △ gyp ..... Gypsum
- △ hem ..... Hematite
- △ il ..... Ilmenite
- △ Fe ..... Iron
- △ IF ..... Iron Formation
- △ jas ..... Jasper
- △ kaol ..... Kaolinite (kaolin)
- △ ky ..... Kyanite
- △ Pb ..... Lead
- △ lim ..... Limonite
- △ Li ..... Lithium
- △ mgst ..... Magnesite
- △ mag ..... Magnetite
- △ mc ..... Malachite
- △ Mn ..... Manganese
- △ mb ..... Marble
- △ mar ..... Marcasite
- △ ma ..... Marl
- △ mi ..... Mica
- △ ml ..... Millerite
- △ mo ..... Molybdenite
- △ Mo ..... Molybdenum
- △ mon ..... Monazite
- △ ne .... Nephelite (nepheline)
- △ nc ..... Niccolite
- △ Ni ..... Nickel
- △ Nb ..... Niobium
- △ Pd ..... Palladium
- △ peat ..... Peat
- △ pent ..... Pentlandite
- △ Pt ..... Platinum
- △ py ..... Pyrite
- △ pyl ..... Pyrochlore
- △ pyrl ..... Pyrolusite
- △ po ..... Pyrrhotite
- △ q ..... Quartz
- △ qcv .. Quartz carbonate vein
- △ ra ..... Radioactive minerals
- △ RE ..... Rare Earths
- △ sd ..... Sand
- △ sgl ..... Sand and gravel
- △ ss ..... Sandstone
- △ scap ..... Scapolite
- △ shee ..... Scheelite
- △ serp ..... Serpentine
- △ sh ..... Shale
- △ sid ..... Siderite
- △ si ..... Silica
- △ Ag ..... Silver
- △ sl ..... Slate
- △ sm ..... Smaltite
- △ sod ..... Sodalite
- △ spec ..... Specularite
- △ sp ..... Sphalerite
- △ spd ..... Spodumene
- △ staur ..... Staurolite
- △ stib ..... Stibnite
- △ st ..... Stone
- △ s ..... Sulphides
- △ talc ..... Talc
- △ Te ..... Tellurium
- △ td ..... Tetrahedrite
- △ th ..... Thorite
- △ Th ..... Thorium
- △ thuc ..... Thucholite
- △ ti ..... Titanite
- △ Ti ..... Titanium
- △ tour ..... Tourmaline
- △ trap ..... Trap rock
- △ W ..... Tungsten
- △ uran ..... Uraninite
- △ U ..... Uranium
- △ verm ..... Vermiculite
- △ Y ..... Yttrium
- △ Zn ..... Zinc
- △ zr ..... Zircon

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref Letter	(see Exploration Data Map) Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	COBB BAY COPPER OCCURENCE	Cu			MAP 557A MAP 2169 MAP 2268 G.R. 114 p.48
B	MOUNTAIN ISLAND BAY OCCURENCES	Au			MAP 557A MAP P.1529 FILE (52G/14NE-0035) -the best assays from trench 3, ran 0.141, 0.227, and 0.337 oz Au/ton (trenches appear to be 50 years old)

PENASSI LAKE

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
1	RIO TINTO CANADIAN EXPL. TOUGH, J. (52J/03SE-0010)	72				72						72	72							
2	GAUTHIER MINING GROUP L. (52J/03SE-0011)								70	70										
3	RIO TINTO CANADIAN EXPL. TOUGH, J. (52J/03SE-0012)	72				72						72	72							
4	CRESUS MINING L. SMITH, O.E. (52G/03SE-0015-A1)											70	70							
5	SEAGULL RESOURCES L. (52 G/14SE-0036)								80	80										
6	AMAX EXPLORATIONS INC. (52G/14SE-0038)	70										70								
7	AMAX EXPLORATIONS INC. (52G/14SE-0039)											70	70							
8	CHIMO GOLD MINES L. (52G/14SE-0044)								70	70										

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Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
9	CALMOR IRON BAY MINES L. (52G/14SE-0045-A1)											70	70							
10	CHIMO GOLD MINES L. (52G/14SE-0046)											70	70							
11	GEORGE, P.T. (52G/14SE-0051-C1)												70							
12	MATTAGAMI LAKE MINES L. (52G/14SE-0052-A1)											70	70							
13	CHIMO GOLD MINES L. (52G/14SE-0060)	71										71	71							
14	SCANDIA MINING AND EXPL. L (52G/14SE-0069)											70	70							
15	MATTAGAMI LAKE MINES L. (52G/14SE-0075)											70	70							
16	MATTAGAMI LAKE MINES L. (52G/14SE-0077-C1)							71												
17	SPOONER MINES AND OILS L. (52J/02SW-0061)												72							

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Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
18	CHIPMAN LAKE MINES L. (52J/02SW-0062)											70	70							
19	SPOONER MINES AND OILS L. (52J/02SW-0064)												71							
20	CORP. FALCONBRIDGE COPPER (52G/15NW-0075-B1)											82								
21	SPOONER MINES AND OILS L. (52G/15NW-0083)								70	70										
22	CORP. FALCONBRIDGE COPPER (52G/15NW-0086)												82							
23	FALCONBRIDGE NICKEL (52G/15NW-0089)								75	75										
24	IMPERIAL OIL L. TEX-SOL EXPLORATION (52G/14NE-0010-A1)				72	72														
25	IMPERIAL OIL L. (52G/14NE-0010-B1)				72	72														
26	IMPERIAL OIL L. (52G/14NE-0010-C1)				72															

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
27	CHIMO GOLD MINES L. (52G/14NE-0010-D1)				71	71														
28	CHIMO GOLD MINES L. (52G/14NE-0011-A1)				71	71														
29	CHIMO GOLD MINES L. (52G/14NE-0011-C1)				71	71														
30	CHIMO GOLD MINES L. (52G/14NE-0011-D1)				71	71														
31	MCINTYRE PORCUPINE (52G/14NE-0012-A1)				71	71														
32	MCINTYRE PORCUPINE (52G/14NE-0012-B1)				71	71														
33	SPOONER MINES AND OILS (52G/14NE-0013-A1)				72	72														
34	SPOONER MINES AND OILS (52G/14NE-0013-B1)				72	72														
35	CHIMO GOLD MINES L. (52G/14NE-0013-C1)				70															

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																			
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
36	CHIMO GOLD MINES L. (52G/14NE-0014)				70																
37	MATTAGAMI LAKE MINES L. (52G/14NE-0015-A1)				70	70															
38	MCINTYRE PORCUPINE (52G/14NE-0015B1)				71	71															
39	MATTAGAMI LAKE MINES L. (52G/14NE-0015-C1)				71	71															
40	MATTAGAMI LAKE MINES L. (52G/14NE-0015-D1)				70																
41	MATTAGAMI LAKE MINES L. (52G/14NE-0015-E1)				71																
42	MATTAGAMI LAKE MINES L. (52G/14NE-0016-A1)				73																
43	MATTAGAMI LAKE MINES L. (52G/14NE-0016-B1)				77	77															
44	MATTAGAMI LAKE MINES L. (52G/14NE-0016-D1)				70																

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TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS. NOTES. CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
45	NORANDA EXPLORATION C.L. (52G/14NE-0017-A1)				76															
46	MILNER, G.N. (52G/14NE-0017-B1)				70															
47	MILNER, G.N. (52G/14NE-0018)				70															
48	ADDICKS, M.C. (52G/14NE-0019-A1)				73															
49	LEWIS RED LAKE MINES L. (52G/14NE-0019-B1)				72															
50	SPOONER MINES AND OILS L. (52G/14NE-0020)				71/72	71/72														
51	LABOW, L.F. (52G/14NE-0021-A1)				70/71															
52	LABOW, L.F. (52G/14NE-0021-B1)				70															
53	LABOW, L.F. (52G/14NE-0021-C1)				71															

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54	LEWIS RED LAKE MINES L. (52G/14NE-0021-D1)							69													
55	WIN-ELDRICH MINES L. (52G/14NE-0021-E1)							70													
56	SPOONER MINES AND OILS L. (52G/14NE-0022-A1)				72	72															
57	MURGOR EXPLORATIONS L. (52G/14NE-0022-B1)				75	75															
58	MATTAGAMI LAKE MINES L. (52G/14NE-0023)				70-73	70-73															
59	MATTAGAMI LAKE MINES L. (52G/14NE-0024)				70	70															
60	MATTAGAMI LAKE MINES L. (52G/14NE-0025-A1)				71	71															
61	LEWIS RED LAKE MINES L. (52G/14NE-0025-B1)	70						70													
62	ARDEL RESOURCES L. (52G/14NE-0025-D1)	70						70													

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
63	REGIS DEVELOPMENT CORP. (52G/14NE-0026)											84	84							
64	HOYLE RESOURCES INC. REGIS DEVELOPMENT CORP. (52G/14NE-0027)											85	85							
65	AFRICANA MINING CORP. L. (52G/14NE-0028)											71	71							
66	NORANDA EXPLORATION C.L. (52G/14NE-0029)		72										72							
67	FALCONBRIDGE NICKEL (52G/14NE-0030-A1)											75								
68	NORANDA EXPLORATION C.L. (52G/14NE-0030-B1)											71	71							
69	CANADIAN ADDICKS MINING C. (52G/14NE-0031)											70	70							
70	MATTAGAMI LAKE MINES L. (52G/14NE-0032)											76	76							
71	NORANDA EXPLORATION C.L. (52G/14NE-0033)											75	75							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
72	NORANDA EXPLORATION C.L. (52G/14NE-0034)											75	75							
73	PROLIFIC PETROLEUM (52G/14NE-0035)	84	84									84	84							
74	IMPERIAL OIL ENTERPRISES (52G/14NE-0036)	72				72						72	72							
75	REGIS DEVELOPMENT CORP. (52G/14NE-0037)	85				85														
76	MISTASSINI U. MINES L. (52G/14NE-0038)											70	70							
77	CHIMO GOLD MINES L. (52G/14NE-0039)	70										70	70							
78	MATTAGAMI LAKE MINES L. (52G/14NE-0040)											70	70							
73	DAERLING EXPLORERS (52G/14NE-0041)	70										70	70							
80	WIN-ELDRICH MINES L. (52G/14NE-0042)	70										70	70							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
81	MATTAGAMI LAKE MINES L. (52G/14NE-0043)											70	70							
82	JOREX MINES L. RANTA, E.W. (52G/14NE-0044)											70	70							
83	LEWIS RED LAKE MINES L. LABOW, L.F. (52G/14NE-0045)	70										70	70							
84	MATTAGAMI LAKE MINES L. (52G/14NE-0046)											70	70							
85	MATTAGAMI LAKE MINES L. (52G/14NE-0047)											70	70							
86	MURGOR EXPLORATIONS (52G/14NE-0048)	73						73												
87	MURGOR EXPLORATIONS (52G/14NE-0049)	72						72												
88	CHIMO GOLD MINES L. (52G/14NE-0050)	70										70	70							
89	CHIMO GOLD MINES L. (52G/14NE-0051)	70										70	70							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS. NOTES. CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
90	MATTAGAMI LAKE MINES L. (52G/14NE-0052)											70	70							
91*	MINNOVA INC. (52G/14NE-0053) (2.10523)											87								

* Refers to a file that has not been fiched.

DRILLHOLE SUMMARY

PENASSI LAKE

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
			complete	degrees	degrees	feet	feet		
1	TEX-SOL EXPLORATION	TX-1	1972	50	-45	5.0	304.0	py,po,cp	Cu Ni Zn Au Ag
2		TX-2	1972	275	-45	8.0	388.0	py,po	Cu Ni Zn Au Ag
3		TX-3	1972	300	-50	12.0	251.0	py,hem	
4	CHIMO GOLD MINES	71-15	1971	180	-60	18.0	917.0	py,cp,gf	Au Cu Ag Zn
5		71-25	1971	180	-50	56.0	910.0	py	
6		71-16	1971	180	-60	81.0	1007.0	cp,po,gf	Cu
7		71-A	1971	180	-74	85.0	1086.0	py,po	Ag Ni Cu Zn
8		71-B	1971	225	-65	50.0	710.0	py,gf	
9		71-C	1971	250	-65	4.0	573.0	po,py,cp,sp	Cu Zn
10	MCINTYRE PORCUPINE M.	06031-1	1971	320	-60	140.0	600.0	py,po,cp,hem	Cu Zn Ag
11		06031-3	1971	0	-50	26.0	587.0	py,po,cp	Cu Zn Ag Au
12		06031-4	1971	180	-50	19.8	537.0	py,cp,po,gf	Cu Zn Ag Au
13	SPOONER MINES AND OILS	SPO14	1972	355	-50	29.0	207.0	gf,py	Cu Zn
14		SPO15	1972	140	-50	19.0	360.0	po,cp,py	Cu Zn
15	CHIMO GOLD MINES	70-9-KT	1970	225	-45	42.0	773.0	py,IF,po	
16		70-1	1970	180	-60	4.0	557.0		
17		70-2	1970	180	-60	11.0	557.0	py,po	

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
18	CHIMO GOLD MINES	70-8	1970	180	-60	73.0	417.0		
19		70-10-KT	1970	225	-60	---	732.0	no logs	
19		70-11-KT	1970	225	-60	---	643.0	no logs	
19		70-12-KT	1970	189	-50	---	402.0	no logs	
20		70-13-KT	1970	180	-50	---	439.0	no logs	
21		70-14-KT	1970	180	-50	---	487.0	no logs	
22	MATTAGAMI LAKE MINES L.	SL-8-70-1	1970	200	-45	14.0	356.0	py,po,gf	Au Ag Zn Cu Pb
23		SL-8-70-2	1970	200	-45	20.0	400.0		
24	MCINTYRE PORCUPINE MS.	06031-2	1971	335	-60	122.0	662.0	py,gf	Au Ag Cu
25	MATTAGAMI LAKE MINES	SL-10-1	1971	180	-45	172.0	498.0	py	Au Ag Cu Zn Pb Ni
26		SL-10-2	1971	180	-45	30.0	445.0	py,po	Au Ag Zn Cu Pb Ni
27		SL-A-4	1970	180	-45	12.0	404.0	py,po,cp	Au Ag Zn Cu Pb
28		SL-C-1	1971	180	-48	86.0	717.0		
29		SL-C-2	1971	180	-45	36.0	623.0	po	Au Ag Zn Cu Pb
30		SL-C-3	1971	0	-45	42.0	620.0	po,cp	Au Ag Zn Cu Pb

● —— indicates core stored at Drill Core Library

PENASSI LAKE

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
31	MATTAGAMI LAKE MINES	SL-F-24	1973	180	-85	72.0	313.0	po,py	Cu Zn Fe Mn Au SiO_2
32		88-77-1	1977	210	-50	16.0	377.0	py	Cu Zn Au Fe Mn SiO_2
33		88-77-2	1977	210	-50	32.0	347.0	py	
34		88-77-3	1977	30	-50	30.0	343.0	py,po	Cu Zn Au Fe Mn SiO_2
35		SL-A-1	1970	180	-50	24.0	450.0	po,cp,py	Ag Zn Cu Pb
36		SL-A-2	1970	360	-50	10.0	503.0	py,po,cp	Au Ag Zn Cu Pb
37		SL-A-3	1970	180	-45	18.0	398.0	py,po	Au Ag Zn Cu Pb
38	NORANDA EXPLORATIONS C.	EL 1-76	1976	180	-56	62.0	358.0	po,py	Cu Zn Au Ag
39	CHIMO GOLD MINES (George N. Milner)	70-13-KT	1970	180	-50	25.0	439.0	py	
40		70-14-KT	1970	180	-50	21.0	487.0	py	
41		70-10-KT	1970	225	-60	85.0	732.0	py,po,IF	
42		70-11-KT	1970	225	-60	129.0	643.0	mag,po,py,gf	
43		70-12-KT	1970	189	-50	91.0	402.0	po,py,cp,gf	
44	M.C. ADDICKS	S-1	1973	330	-35	12.0	400.0	py	

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
45	LEWIS RED LAKE MINES	1	1972	0	-45	83.0	96.0	Hole Abandoned	
46		1A	1972	185	-50	10.0	330.0	po,py,cp	
47		5	1972	0	-45	45.0	350.0	py,po,gt	
48		2	1972	0	-45	14.0	217.0	py,po,cp	
49		3	1972	180	-45	25.0	403.0	mag,py,po,cp	
50		4	1972	0	-45	17.0	397.0	cp,po,py	
51	SPOONER MINES AND OILS	SPO23	1972	332	-50	10.0	201.0	po,cp	Cu Zn Ni
52		SPO22	1972	242	-65	125.0	205.0	py,gf,cp,po	Cu Zn
52		SPO21	1972	242	-65	52.0	52.0	Hole Abandoned	
53		SPO6	1971	332	-45	26.0	205.0	po	Au Ag Cu Zn
54		SPO5	1971	332	-60	10.0	223.0	po,cp,py	Au Ag Cu Zn
55		SPO4	1971	332	-60	63.0	277.0	po,py	Au Ag Cu Zn
56		SPO3	1971	332	-45	14.0	192.0	cp,po,py	Au Ag Cu Zn
57		SPO2	1971	332	-45	5.0	147.0	po,cp	Au Ag Cu Zn
58		SPO1	1971	332	-60	11.0	156.0	po,py	Au Ag Cu Zn
59	L.F. LABOW	WEX1	1970	180	-45	36.0	350.0	py,cp	
60		WEX2	1970	180	-45	40.0	300.0	py,cp	

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
61	L.F. LABOW	WEX5	1971	0	-45	15.0	656.0	po,py	
62		WEX6	1971	0	-45	34.0	301.0		
63		DAX1	1970	0	-45	7.0	350.0	py,po	
64		WEX3	1971	0	-45	10.0	552.0		
65		WEX4	1971	0	-45	55.0	502.0	cp,po,py	
66	SPOONER MINES AND OILS	SPO7	1972	320	-65	114.0	427.0	py,gf	Cu Zn
67		SPO8	1972	320	-65	130.0	337.0	py,gf	Cu Zn
68	MURGOR EXPLORATIONS L.	75-2	1975	180	-45	5.0	72.0		
68		M-2	1975	180	-45	14.0	519.0	py,po,cp	Au Ag Cu Zn
69		75-1	1975	180	-45	31.0	217.0	py	
69		M-1	1975	180	-50	28.0	529.0	py,mag,po	Au Ag Zn Cu
70		M-3	1975	180	-45	30.0	595.0	py,po,mag	Au Ag Zn
71	MATTAGAMI LAKE MINES L.	SL-A-70-5	1970	360	-45	20.0	440.0	py,po,cp	Au Ag Zn Cu Pb
72		SL-A-70-6	1970	180	-45	52.0	354.0	py,po,cp	Au Ag Zn Cu Pb
73		SL-A-70-7	1970	180	-45	14.0	496.0	py,po,cp	Au Ag Zn Cu Pb
74		SL-A-70-8	1970	180	-45	58.0	404.0	py,po	Au Ag Zn Cu Pb
75		SL-A-70-9	1970	180	-45	10.0	560.0	po,py,cp	Au Ag Zn Cu Pb

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
76	MATTAGAMI LAKE MINES L.	SL-A-70-10	1970	180	-45	8.0	488.0	po,py	Au Ag Zn Cu Pb
77		SL-A-70-11	1970	180	-45	32.0	733.0	py,po,cp	Au Ag Cu Zn Pb
78		SL-A-70-12	1970	180	-45	32.0	693.0	po,py,cp	Au Ag Cu Zn Pb
79		SL-A-70-13	1970	180	-45	28.0	819.0	po	Au Ag Cu Zn Pb
80		SL-A-70-14	1970	180	-45	6.0	591.0	py,po,gf	Au Ag Cu Zn Pb
81		SL-A-70-15	1970	205	-45	16.0	582.0	py,po,gf	Au Ag Cu Zn Pb
82		SL-A-70-16	1970	180	-45	14.0	700.0		
83		SL-9-71-1	1971	180	-50	64.0	616.0	py,po	Au Ag Cu Zn Pb
84		SL-9-71-2	1971	180	-50	82.0	745.0	py	Au Ag Cu Zn Pb
85		SL-15-73-56	1973	170	-60	63.0	1453.0	cp,po,py,sp	Au Ag Cu Zn Pb
86		SL-15-73-54	1973	170	-60	54.0	1078.0		
87		SL-15-73-53	1973	170	-60	110.0	736.0	py,po,mt	
88		SL-15-73-51	1973	170	-60	26.0	1354.0	py,po,mt,cp,sp	Au Ag Cu Zn Pb
89		SL-15-73-50	1973	170	-62	226.0	1250.0		
90		SL-15-73-48	1973	170	-65	162.0	1004.0		
91		SL-15-73-47	1973	170	-60	86.0	1047.0		
92		SL-15-73-46	1973	170	-60	82.0	726.0		

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

DnPang Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
93	MATTAGAMI LAKE MINES	SL-15-73-43	1973	170	-60	106.0	724.0		
94		SL-15-72-36	1972	170	-60	48.0	984.0		
95		SL-15-72-29	1972	170	-50	65.0	891.0	py,sp	Au Zn Cu Pb
96		SL-15-70-21	1970	170	-50	74.0	1109.0	py	Au Ag Zn Cu Pb
97		SL-15-70-20	1970	170	-50	52.0	1136.0	py,po	Au Ag Zn Cu Pb
98		SL-15-73-58	1973	170	-63	96.0	727.0	py,po,gf,sp, cp	Au Zn Cu
99		SL-15-73-57	1973	170	-60	220.0	834.0	py,po,sp,cp	Au Ag Zn Cu Pb
	(drill holes number 98 and 99 are located within Abitibi Block 8, but their exact location is unknown and therefore they are not plotted)								

● —— indicates core stored at Drill Core Library

PENASSI LAKE

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map	— by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
2	BY: GEOTERREX LIMITED FOR: GAUTHIER MINING GRP. YEAR: 1970	MAGNETOMETER AND ELECTROMAGNETIC	200'	NW/SE	1/8 mile
5	BY: QUESTOR SURVEYS L. FOR: SEAGULL RESOURCES L. YEAR: 1980	MAGNETOMETER AND ELECTROMAGNETIC	150'	N/S	450'
8	BY: QUESTOR SURVEYS L. FOR: CHIMO GOLD MINES L. YEAR: 1970	MAGNETOMETER AND ELECTROMAGNETIC	150'	N/S	1/8 mile
21	BY: SEIGAL ASSOCIATES FOR: SPOONER MINES AND OILS YEAR: 1970	MAGNETOMETER AND ELECTROMAGNETIC	150'	N/S	400'
23	BY: AERODAT LIMITED FOR: FALCONBRIDGE NICKEL YEAR: 1975	MAGNETOMETER AND ELECTROMAGNETIC	125'	E/W	660'

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference RESIDENT GEOLOGIST OFFICE FILES
66	SOIL	Cu Zn	NORANDA EXPL. C.L.	(52G/14NE-0029)
73	ROCK	Au	PROLIFIC PETROLEUM	(52G/14NE-0035)

PENASSI LAKE

GEOCHRONOLOGY DATA - AGE DATING

Site	Method	Material	Reference	Result
	NO DATA AS OF MARCH 1988			

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologist's office:

(a) Aerial Photographs:

AREA	LINE	PHOTO#	YEAR	SCALE
PRESS LAKE	A13564	114 115 116 117 118 119	1975	4"= 1 mile

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50,000	1978	Valora 52G/14	surveys and mapping branch, dept. of energy, mines and resources
1:250,000	1972	Ignace, Ontario 52G	
1:126,720	1976	Press Lake Ontario, 52G/NW	surveys and mapping branch, ministry of natural resources

PENASSI LAKE

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

COMPANY	NEWSPAPER	DATE	PAGE
NO DATA AS OF MARCH 1988			

ODM GENERAL INDEX SEARCH

Words searched: COBB BAY, COBB LAKE, DIVIDED LAKE, GRANITE BAY, GRAYSTONE LAKE, MCLEOD LAKE, MOUNTAIN ISLAND, PENASSI LAKE, STURGEON LAKE, TEN MILE LAKE, WHITEROCK LAKE

Index Volume	Listing:	Report Volume	Part	Page
IV	GEOLOGY OF THE SUPERIOR JUNCTION-STURGEON LAKE AREA	XLVI	VI	1-25
III	STURGEON LAKE GOLD AREA, DISTRICTS OF KENORA AND THUNDER BAY	XXXIX	II	36-50

PENASSI LAKE

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
ODM	1930	STURGEON LAKE AREA, DISTRICTS OF KENORA AND THUNDER BAY, ONTARIO	MAP 39b	1"=2 miles 1:126,720
ODM	1937	SUPERIOR JUNCTION-STURGEON LAKE AREA, DISTRICT OF KENORA, ONTARIO	MAP 46d	1"=2 miles 1:126,720
DEPT. OF MINES & RESOURCES	1939	WATCOMB, KENORA AND RAINY RIVER DISTRICTS, ONTARIO	557A	1"=4 miles 1:253,440
ODM	1968	SIOUX LOOKOUT-ARMSTRONG SHEET, GEOLOGICAL COMPILATION SERIES, KENORA AND THUNDER BAY DISTRICTS	MAP 2169	1"=4 miles 1:253,440
ODM	1970	ONTARIO GEOLOGICAL MAP, WEST CENTRAL SHEET	MAP 2199	1"=16 miles 1:1,013,760
ODM	1970	GRANITE BAY-STURGEON LAKE, KENORA AND THUNDER BAY DISTRICTS	MAP 2268	1"=1/2 mile 1:31,680
ODM	1974	ONTARIO MINERAL MAP	MAP 2310	1"=25 miles 1:1,584,000
BREAKS, F.W. DAVIES, J.C. PRYSLAK, A.P. PYE, E.G.	1980	SIOUX LOOKOUT-ARMSTRONG, GEOLOGICAL COMPILATION SERIES, KENORA AND THUNDER BAY DISTRICTS	MAP 2442	1"=4 miles 1:253,440
TROWELL, N.F.	1981	WHITEROCK LAKE, ONTARIO GEOLOGICAL SURVEY, MAP 2458 PRECAMBRIAN GEOLOGY SERIES	MAP 2458	1:50,000
OGS	1986	GEOLOGICAL HIGHWAY MAP, NORTHERN ONTARIO, OGS MAP 2506	MAP 2506	1:1,600,000
SADO, E.V. CARSWELL, B.F.	1987	SURFICIAL GEOLOGY OF NORTHERN ONTARIO, OGS MAP 2518	MAP 2518	1:1,200,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
ODM	1966	MINNITAKI-STURGEON LAKE SHEET, DISTRICTS OF KENORA AND THUNDER BAY, GEOLOGICAL COMPILATION SERIES	P.353	1"=2 miles 1:126,720
ODM	1970	BELL LAKE-STURGEON LAKE AREA, (NORTHWEST PART) DISTRICT OF KENORA, PRELIMINARY GEOLOGICAL MAP	P.588	1"=1/4 mile
ODM	1970	BELL LAKE-STURGEON LAKE AREA (NORTHWEST PART) DISTRICTS OF KENORA AND THUNDER BAY, PRELIMINARY GEOLOGICAL MAP	P.589	1"=1/4 mile
RILEY, R.A. KING, H.L. KUSTRA, C.R.	1973	SUMMARY OF AIRBORNE GEOPHYSICAL DATA FOR NORTHWESTERN ONTARIO, ODM PRELIMINARY MAP P. 845, DATA SERIES	P.845	1"=16 miles
BARLOW, R.B.	1974	GROUND VERTICAL COMPONENT MAGNETICS, STURGEON LAKE AREA (NORTHWESTERN PART), DISTRICT OF KENORA, ODM PRELIMINARY MAP P. 922, GEOPHYSICAL SERIES	P. 922	1"=1/4 mile
KING, H.L. WERRY, J.D.	1974	PENASSI LAKE AREA, DISTRICT OF KENORA, ODM PRELIMINARY MAP P. 927, KENORA DATA SERIES	P.927	1"=1/4 mile
BARLOW, R.B. WADGE, D.R. DUSANOWSKYJ, R.H.	1975	BOUGUER GRAVITY MAP OF THE STURGEON LAKE AREA, DISTRICT OF KENORA AND THUNDER BAY, ODM PRELIMINARY P. 1050, GEOPHYSICAL SERIES	P.1050	1"=2 miles 1:126,720
ROBERTSON, JAMES A VOS, M.A. SPRINGER, JANET S	1976	MINERAL POTENTIAL MAP OF ONTARIO 1976, WEST CENTRAL SHEET, ODM PRELIMINARY MAP P.1098, MINERAL DEPOSITS SERIES	P.1098	1"=16 miles 1:1,013,760
ODM-GSC	1976	AIRBORNE GAMMA-RAY SPECTROMETRY SURVEY, EQUIVALENT URANIUM ppm CONTOURS, IGNACE SHEET, DISTRICTS OF KENORA AND THUNDER BAY, ODM PRELIMINARY MAP P. 1147-1153, GEOPHYSICAL SERIES	P. 1147-1153	1"=4 miles 1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SPRINGER, JANET	1978	ONTARIO MINERAL POTENTIAL, IGNACE SHEET, DISTRICT OF THUNDER BAY, KENORA AND RAINY RIVER, OGS PRELIMINARY MAP P.1529, MINERAL DEPOSIT SERIES	P. 1529	1"=4 miles 1:250,000
TROWELL, N.F. BARTLETT, J.R. SUTCLIFFE, R.H.	1980	FLYING LOON LAKE AREA, WYATT LAKE SHEET, DISTRICT OF KENORA, OGS PRELIMINARY MAP P. 2353, GEOLOGICAL SERIES	P.2353	1:15,840
TROWELL, N.F.	1974	GEOLOGY OF THE BELL LAKE-STURGEON LAKE AREA DISTRICT OF KENORA AND THUNDER BAY, ODM GEOLOGICAL REPORT 114, 67p. ACCOMPANIED BY MAPS 2268 AND 2269	GR 114 MAPS 2268 2269	1"=1/2 mile
TROWELL, N.F	1983	GEOLOGY OF THE STURGEON LAKE AREA, DISTRICT OF THUNDER BAY AND KENORA, OGS REPORT 221, 97p. ACCOMPANIED BY MAPS 2456, 2457, 2458	REPORT 221 MAPS 2456 2457 2458	1:50,000
TROWELL, N.F.	1983	GEOLOGY OF THE FLYING LOON LAKE AREA, DISTRICT OF KENORA, OGS REPORT 224, 109p. ACCOMPANIED BY MAPS 2458, 2477	REPORT 224 MAPS 2458 2477	1:50,000
MOLLARD, D.G. MOLLARD, J.D.	1980	PRESS LAKE AREA (NTS 52G/NW), DISTRICT OF KENORA, OGS NORTHERN ONTARIO ENGINEERING GEOLOGY TERRAIN STUDY 23, 26p. ACCOMPANIED BY MAPS 5062 and 5066	NOEGTS 23 MAPS 5062 5066	1:100,000
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Author	Date	Title	Reference	Map Scales and/or Report Pages
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MOON, WOOIL	1972	MAGNETIC SURVEY OF BELL LAKE-STURGEON LAKE AREA (PART1) DISTRICTS OF KENORA AND THUNDER BAY, p. 47-48, IN SUMMARY OF FIELD WORK, 1972 BY THE GEOLOGICAL BRANCH, ODM MP 53, 165 p.	MP 53	p. 47-48
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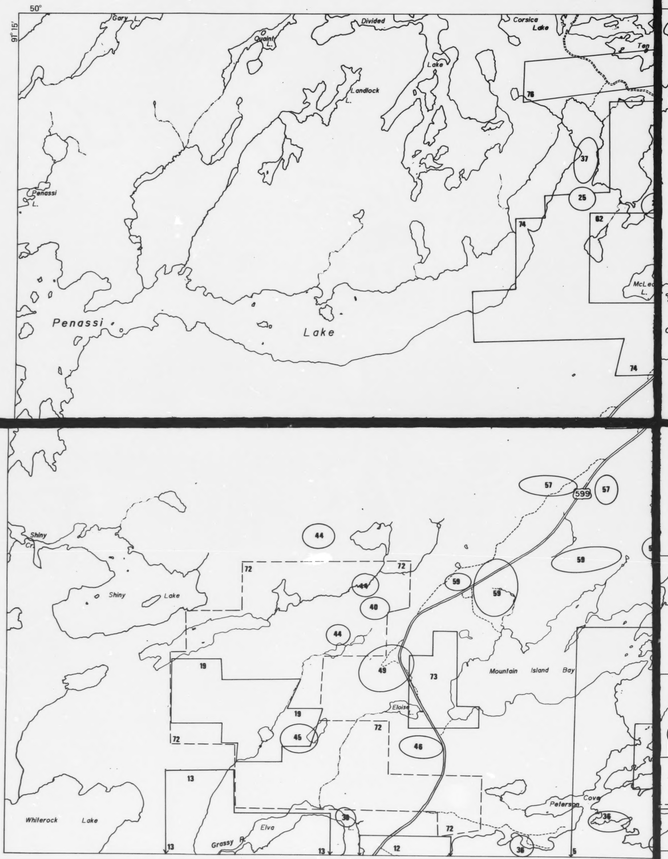
TROWELL N.F.	1976	STURGEON LAKE SYNOPTIC PROJECT, DISTRICTS OF KENORA AND THUNDER BAY, p. 27-31 IN SUMMARY OF FIELD WORK 1976, BY THE GEOLOGICAL BRANCH, ODM, MP 67, 183p.	MP 67	p. 27-31
DUSANOWSKYJ, T.H.	1976	A GRAVITY STUDY OF THE STURGEON LAKE METAVOLCANIC-METASEDIMENTARY BELT	UNPUBLISHED THESES	
GSC	1972	WATCOMB, ONTARIO 52G/14	1127G	1"=1 mile
GSC	1972	IGNACE, ONTARIO 52G	7104G	1"=1 mile
GSC	1976	FEDERAL-PROVINCIAL URANIUM RECONNAISSANCE PROGRAM AIRBORNE GAMMA-RAY SPECTROMETRY DATA, IGNACE (52G) ONTARIO, GSC OPEN FILE 329	OPEN FILE 329	

NOTES AND ADDENDA

NOTE: ONE HOLE DRILLED BY NORANDA INC. HAS CORE STORED AT THE KENORA DRILL CORE LIBRARY, THAT IS NOT LISTED ON THE DRILL HOLE SUMMARY SHEET

hole EL-1-76 may be hole EL-1-74



Ontario Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 465

(Map 1 of 4)

PENASSI LAKE AREA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

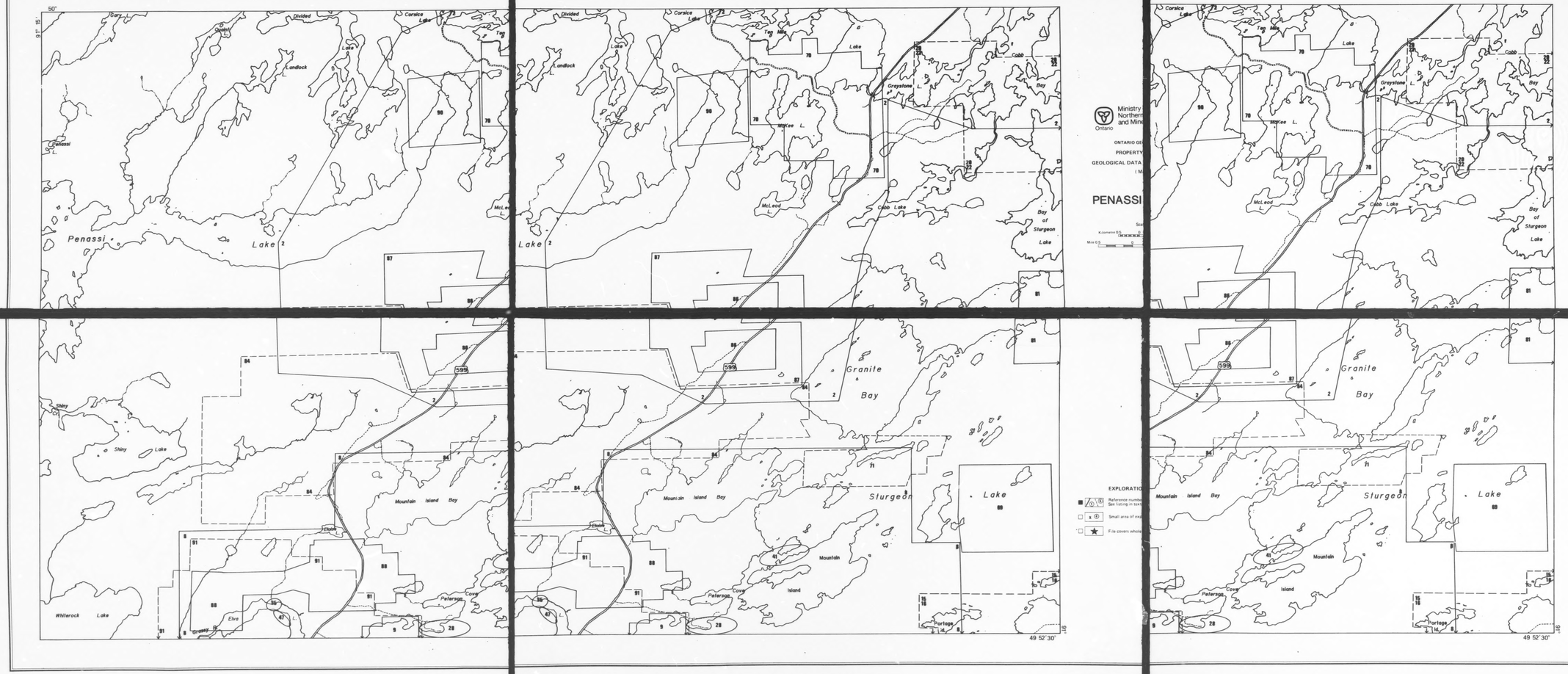
Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area off exploration

File covers whole township or area



Ontario Ministry of Northern Development and Mines — Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 465

(Map 2 of 4)

PENASSI LAKE AREA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

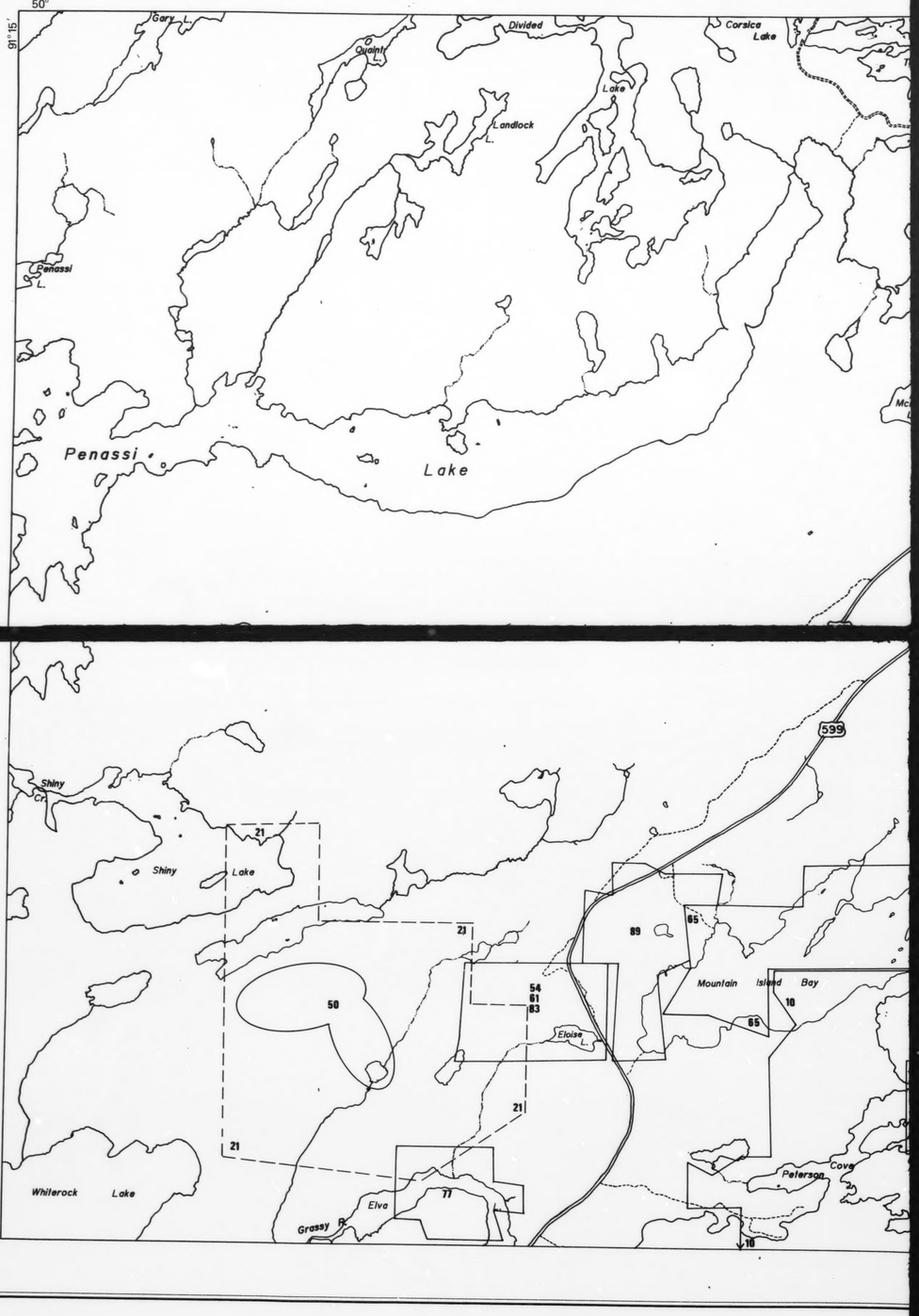
Mile 0.5 0 0.5 1 Mile

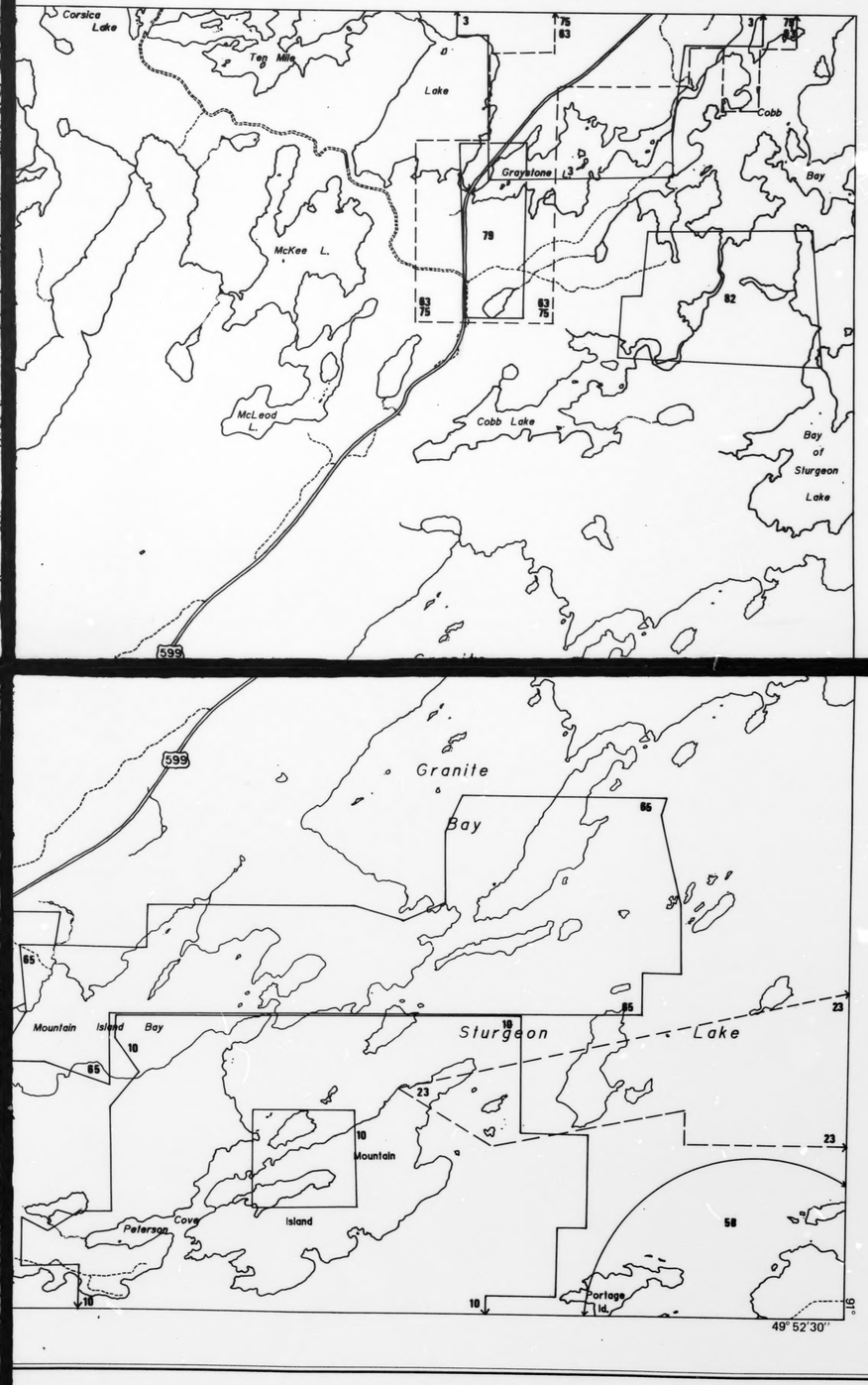
EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area





Ministry of Northern Development and Mines
Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 465

(Map 3 of 4)

PENASSI LAKE AREA

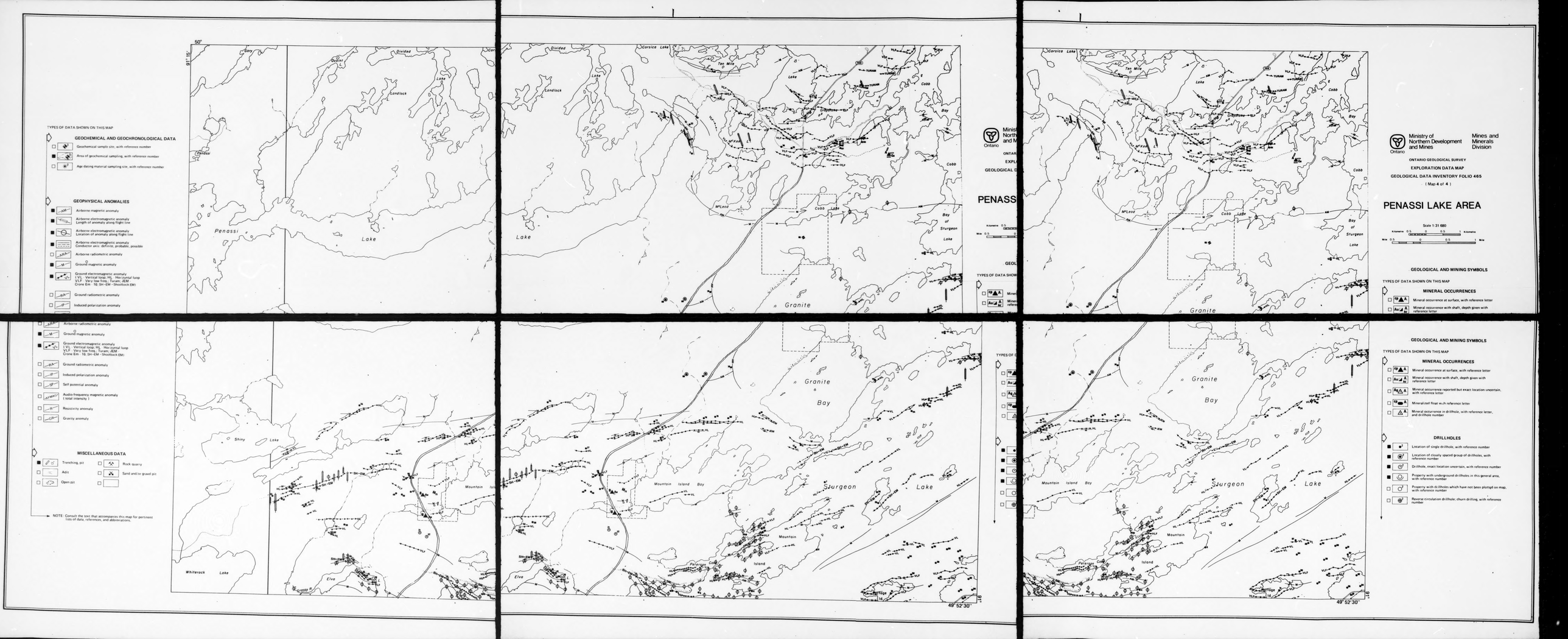
Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area


TYPES OF DATA SHOWN ON THIS MAP
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA
Geochemical sample site, with reference number
Area of geochemical sampling, with reference number
Age dating material sampling site, with reference number
GEOPHYSICAL ANOMALIES
Airborne magnetic anomaly
Airborne electromagnetic anomaly
Length of anomaly along flight line
Airborne electromagnetic anomaly
Location of anomaly along flight line
Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
Airborne radiometric anomaly
Ground magnetic anomaly
Ground electromagnetic anomaly
(VL : Vertical loop; HL : Horizontal loop
VLF : Very low freq.; Turam; JEM
Crone Em : TE, SH-EM : Shootback EM)
Ground radiometric anomaly
Induced polarization anomaly
Self potential anomaly
Audio-frequency magnetic anomaly
(total intensity)
Resistivity anomaly
Gravity anomaly
MISCELLANEOUS DATA
Trenching, pit
Rock quarry
Adit
Sand and/or gravel pit
Open pit
NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.
50°
91° 15'
Corsica Lake
Ten Mile Lake
Landlock Lake
Divided Lake
Penassi Lake
Cobb Lake
Bay of Sturgeon Lake
Granite Bay
Shiny Lake
Whitefish Lake
Mountain Island Bay
Sturgeon Lake
Mountain Island
Elva
49° 52' 30"
Ontario
Ministry of Northern Development and Mines
Mines and Minerals Division
ONTARIO GEOLOGICAL SURVEY
EXPLORATION DATA MAP
GEOLOGICAL DATA INVENTORY FOLIO 465
(Map 4 of 4)
PENASSI LAKE AREA
Scale 1:31 680
GEOLOGICAL AND MINING SYMBOLS
TYPES OF DATA SHOWN ON THIS MAP
MINERAL OCCURRENCES
Mineral occurrence at surface, with reference letter
Mineral occurrence with shaft, depth given with reference letter
Mineral occurrence reported but exact location uncertain, with reference letter
Mineralized float with reference letter
Mineral occurrence in drillhole, with reference letter, and drillhole number
DRILLHOLES
Location of single drillhole, with reference number
Location of closely spaced group of drillholes, with reference number
Drillhole, exact location uncertain, with reference number
Property with underground drillholes in this general area, with reference number
Property with drillholes which have not been plotted on map, with reference number
Reverse circulation drillhole; churn drilling, with reference number